Form PTO-1449

Docket Number 304142000321

Application Number 08/766,350

INFORMATION DISCLOSURE CITATION

IN AN APPLICATION (Use several sheets if necessary)

MALAYA CHATTERJEE et al.

Filing Date 13 December 1996

Group Art Unit Unassigned

U.S. PATENT DOCUMENTS

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Initials	Ref. No.	Date	Document No.	Name	Class	Subclass	Filing Date If Appropriate
92	1.	12/07/76	3,996,345	Ullman et al.			,
- / \	2.	03/13/84	4,436,728	Ribi et al.			
	3.	06/23/87	4,675,287	Reisfeld et al.			
	4	07/28/87	4,683,195	Mullis et al.			
	5.	07/28/87	4,683,202	Mullis			
	6.	09/15/87	4,693,966	Houghton et al.			
	7.	02/02/88	4,722,840	Valenzuela et al.	· · ·		
	8.	02/23/88	4,726,947	Shimada et al.			
	9.	06/28/88	4,754,065	Levenson et al.			
	10.	01/24/89	4,800,159	Mullis et al.			
	11.	02/27/90	4,904,596	Hakomori			
	12.	04/17/90	4,918,164	Hellstrom et al.			
	13.	04/23/91	5,009,995	Albino et al.			
	14.	10/01/91	5,053,224	Koprowski et al.			
	15.	10/15/91	5,057,540	Kensil et al.			
	16.	12/31/91	5,077,284	Loria et al.			
	17.	02/25/92	5,091,177	Hellstrom et al.			
	18.	07/28/92	5,134,075	Hellstrom et al.			
	19.	12/15/92	5,171,568	Burke et al.			
	20.	05/04/93	5,208,146	Irie			
	21.	08/31/93	5,240,833	Nudelman et al.			
	22.	09/07/93	5,242,824	Hellstrom et al.			
	23.	12/14/93	5,270,202	Raychaudhuri			
6	24.	04/18/95	5,407,684	Loria et al.	-		

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Sheet 2 of 6 Docket Number 304142000321 Application Number 08/766,350 Form PTO-1449 Applicant INFORMATION DISCLOSURE CITATION MALAYA CHATTERJEE et al. IN AN APPLICATION (Use several sheets if necessary) Filing Date 13 December 1996 Group Art Unit Unassigned FOREIGN PATENT DOCUMENTS Subclass Date Document No. Country Class. Translation No. YES NO 08/31/88 25. 0280209 Europe 09/22/93 0329400 26. Europe 27. 02/13/86 WO 86/00909 **PCT** 08/10/89 **PCT** 28. WO 89/07268 29. 08/08/91 WO 91/11465 **PCT PCT** WO 91/16924 30. 11/14/91 31. 10/01/92 WO 92/16231 **PCT** OTHER DOCUMENTS (including author, title, Date, Pertinent Pages, Etc.) Ref. Title Examiner Initials No. Altschul et al., "Basic local alignment search tool" (1990) J. Mol Biol. 215:403-410. 32. Barry et al., "Protection against mycoplasma infection using expression-library immunization" 33. (1995) Nature 377:632-635. Bhattacharya-Chatterjee et al., "Anti-idiotype antibodies as potential therapeutic agents for human breast cancer" Antigen and Antibody Molecular Engineering in Breast Cancer Diagnosis and Ø Treatment, Eds. R.L. Ceriani (1994), pgs. 139-148. Bhattacharya-Chatterjee et al., "Idiotypic antibody immunotherapy of cancer" (1994) Cancer Immunol. Immunother. 38:75-82. 36./ Bhattacharya-Chatterjee et al., "Idiotype vaccines against human T cell acute lymphoblastic leukemia" (1987) J. Immunol. 139:1354-1360. Bhattacharya-Chatterjee et al., "Idiotype vaccines against human T cell leukemia". II. Generation 37. and characterization of a monoclonal idiotype cascade (Ab1, Ab2, and Ab3)" (1988) J. Immunol. *141*:1398-1403. Bhattacharya-Chatterjee et al., "Murine monoclonal anti-idiotype antibody as a potential network 38. antigen for human carcinoembryonic antigen" (1990) J. Immunol. 145:2758-2765. Bird et al., "Single-chain antigen-binding proteins" (1988) Science 242:423-426. 39. Ceriani et al., "Characterization of cell surface antigens of human mammary epithelial cells with 40. monoclonal antibodies prepared against human milk fat globule" (1983) Somatic Cell Genet. 9:415b 427. DATE CONSIDERED: EXAMINER (26 May 99

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	ner (Ref. No. 8	8.1 a				
7	TR	1GA/VI	Ceriani et al., "Immunotherapeutic pre Mc5 and BrE-1" (1990) Antibody Imm				
•		42.	Ceriani et al., "Surface differentiation human milk fat globule" (1977) <i>Proc.</i>				
		43.	Chakraborty et al., "Immune response idiotype antibody vaccine", (1997) An				
	Chakraborty et al., "Induction of human breast cancer specific antibody responses in cynomomoly monkeys by a murine monoclonal anti-idiotype antibody", (1995) Cancer Res. 55:1525–153						
		45.	Chakraborty et al., "Induction of human breast cancer specific antibody responses in cynomolgus monkeys by a murine monoclonal anti-idiotype antibody", (1994) Abstracts from proceedings of American Assoc. for Cancer Research vol. 35, Abstract no. 2963.				
	Π	46	Chakraborty et al., "Preclinical evalua mimicks the carcinoembryonic antiger				
		47.	Chatterjee et al., "Antiidiotype (Ab2) vaccine therapy for cutaneous T-cell lymphoma" (1993) Ann. N.Y. Acad. Sci. 690:376-377.				
		48.	Cheresh et al., "Biosynthesis and expression of the disialoganglioside G _{D2} , a relevant target antigen on small cell lung carcinoma for monoclonal antibody-mediated cytolysis" (1986) Cancer Res. 46:5112-5118.				
		49.	Cheresh et al., "Disialoganglioside GE monoclonal antibody-mediated tumor				
·		50.	Cochran et al., "In vitro mutagenesis of tandem early and late regulatory signa		ccinia virus gene: Evidence for		
$ \top $		51.	Cockett et al., "High level expression ovary cells using glutamine synthetase				
		52.	Corcoran et al., "GM-CSF produced by has no effect in vivo on murine cutane				
		53.	DeFreitas et al., "Human antibody ind monoclonal antibody against a gastroi <i>Immunol. 119</i> :75-89.	uction to the idiotypic and anti ntestinal carcinoma antigen." (-idiotypic determinants of a 1985) Curr. Top Microbiol.		
		54.	Dohlsten et al., "Monoclonal antibody cell-based tumor therapy" (1994) <i>Proc</i>				
6		55.	Ey et al., "Isolation of pure IgG ₁ , IgG ₂ A-sepharose" (1978) <i>Immunochemistr</i>		from mouse serum using protein		
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OTHER DOCUMENTS

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Examiner	Ref. No.	Title				
981	56.	Fiedler et al., "High-level production and long-term storage of engineered antibodies in transgenic tobacco seeds" (1995) <i>Biotechnology 13</i> :1090-1093.				
	57.	Flexner et al., "Attenuation of live recombinant vaccinia virus vectors by expression of human interleukin-2" (1988) <i>Vaccines 88</i> , Cold Spring Harbor Laboratory, pp. 179-184.				
	58.	Herlyn et al., "Anti-idiotype immunization of cancer patients: Modulation of the immune response" (1987) Proc. Natl. Acad. Sci. USA 84:8055-8059.				
	59.	Herlyn et al., "Monoclonal anticolon carcinoma antibodies in complement-dependent cytotoxicity" (1981) Int. J. Cancer 27:769-774.				
	60.	Holmes et al., "Correlation of cell-surface phenotype with the establishment of interleukin 3-dependent cell lines from wild-mouse murine leukemia virus-induced neoplasms" (1985) <i>Proc. Nat. Acad. Sci. USA</i> 82:6687-6691.				
	61.	Honjo et al., "Cloning and complete nucleotide sequence of mouse immunoglobulin γ1 chain gene" (1979) Cell 18:559-568.				
	62.	Horn et al., "Cancer gene therapy using plasmid DNA: Purification of DNA for human clinical trials" (1995) <i>Human Gene Therapy</i> 6:565-573.				
63.		Hruby et al., "Fine structure analysis and nucleotide sequence of the vaccinia virus thymidine kinase gene" (1983) <i>Proc. Natl. Acad. Sci. USA</i> 80:3411-3415.				
	64.	Hunter "Standardization of the chloramine-T method of protein iodination" (1970) Proc. Soc. Exp. Biol. Med. 133:989-992.				
	65.	Jaffee et al., "High efficiency gene transfer into primary human tumor explants without cell selection" (1993) Cancer Res. 53:2221-2226.				
	66.	Jerne, "Towards a network theory of the immune system" Ann. Immunol. (1974) 125:373-389.				
	67.	Kantor et al., "Antitumor activity and immune responses induced by a recombinant carcinoembryonic antigen-vaccinia virus vaccine" (1992) J. Natl. Cancer Inst. 84:1084-1091.				
	68.	Larocca et al., "High level expression in <i>E. coli</i> of an alternate reading frame of pS2 mRNA that encodes a mimotope of human breast epithelial mucin tandem repeat" (1992) <i>Hybridoma 11</i> :191-201.				
	69.	Lindenmann, "Speculations on idiotypes and homobodies" (1973) Ann. Immunol. 124:171-184.				
	70.	Mackett et al., "The construction and characterisation of vaccinia virus recombinants expressing foreign genes" (1985) DNA Cloning, Vol. II, D. M. Glover, ed., IRL Press, pp. 191-211.				
	71.	Mackett et al., "Vaccinia virus: A selectable eukaryotic cloning and expression vector" (1982) Proceeding Natl. Acad. Sci. USA 79:7415-7419.				

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